Location Service - Boundary - v3.0

Domain Portfolio: Utility | Domain: Search | Usage Classification: **Limited Availability**

Geography: Global **Attribution Required:** N/A **Attribution Requirements:** N/A

Overview

The Location Service - Boundary API looks up the requested key in the requested product and returns the polygonal geometry as a JSON document. Data returned for all product types will be in the form of a list of boundary coordinates. For this API JSON returned will always be GeoJSON.

Note: Please see the field "product" in the response to validate that the call has been properly made for the intended boundary (county, pollen, postalKey, zone).

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see The Weather Company Data | API Common Usage Guide.

URL Construction	Aggregate Product Name	v3-location-boundary
Request by Geocode: **Required Parameters:** geocode, type, product, format https://api.weather.com/v3/location/boundary?**geocode=<geocode>**&**product=<product>**&**format=<format>**&**apiKey=<apiKey>**		
https://api.weather.com/v3/location/boundary?**geocode=33.33,-83.22**&**product=adminDistrict1**&**format=json**&**apiKey=yourApiKey**		
Request by IATA Code: **Required Parameters:** iataCode, type, product, format https://api.weather.com/v3/location/boundary?**iataCode=<iataCode>**&**product=<product>**&**format=<format>**&**apiKey=<apiKey>**		
https://api.weather.com/v3/location/boundary?**iataCode=FCO**&**product=adminDistrict1**&**format=json**&**apiKey=yourApiKey**		
Request by ICAO Code: **Required Parameters:** icaoCode, type, product, format https://api.weather.com/v3/location/boundary?**icaoCode=<icaoCode>**&**product=<product>**&**format=<format>**&**apiKey=<apiKey>**		
https://api.weather.com/v3/location/boundary?**icaoCode=LIRF**&**product=adminDistrict1**&**format=json**&**apiKey=yourApiKey**		
Request by Place ID: **Required Parameters:** placeid, type, product, format https://api.weather.com/v3/location/boundary?**placeid=<placeid>**&**product=<product>**&**format=<format>**&**apiKey=<apiKey>**		
https://api.weather.com/v3/location/boundary?**placeid=25d07eca1bcda02800c1a9e699d7eb1c8132cad9bc2d6efa8a2531f0ee4a81cd**&**product=adminDistrict1**&**format=json**&**apiKey=yourApiKey**		
Request by Postal Key: **Required Parameters:** postalKey, type, product, format https://api.weather.com/v3/location/boundary?**postalKey=<postalKey>**&**product=<product>**&**format=<format>**&**apiKey=<apiKey>**		
https://api.weather.com/v3/location/boundary?**postalKey=98101:US**&**product=adminDistrict1**&**format=json**&**apiKey=yourApiKey**		

Valid Parameters

Parameter Name	Valid Parameter Values
type	countyId, iataCode, icaoCode, postalKey, zoneId, placeId
product	county, pollen, postalKey, zone

Parameter: type (Location type identifier)	
Valid Parameter Value	Description
countyId	Governmental assigned county identifier
iataCode	The International Air Transport Association (IATA) airport codes of the requested location.
icaoCode	The International Civil Aviation Organization (ICAO) airport codes of the requested location.
placeId	A proprietary TWC unique place identifier.
postalKey	Postal Key is a composite location identifier key of <Postal Code>:<Country Code>
zoneId	Government assigned zone identifier.
Parameter: product	
Valid Parameter Value	Description
county	County name of requested location.
pollen	Boundary of area included for pollen observations.
postalKey	Postal Key is a composite Postal Code location identifier key of <Postal Code>:<Country Code>
zone	Governmental assigned zone.

Valid Parameter Definitions

Parameter	Name	Description	Example
API Key	apiKey	The “apiKey” is used for access using the api; usually customer specific.	..v3/<product>?**apiKey=yourApiKey**
Format	format	The format of the response (json)	..v3/<product>?**format=json**
Product	product	The product is the identifier type used in the query. Valid values include; airport, pws, ski.	..v3/<product>?**product=adminDistrict1** ..v3/<product>?**product=almanac** ..v3/<product>?**product=zone**
Location Parameter	**Name**	**Description**	**Example**
Geocode	geocode	TWC uses valid latitudes and longitude coordinates to identify locations worldwide. Uses WGS84 geocode coordinate reference system. https://www.w3.org/2003/01/geo/ **33.40,83.19** is the manner in which a latitude and longitude is accepted for the weather APIs.	..v3/<product>?**geocode=34.063,-84.217**
IATA Code	iataCode	IATA Code = 3 character International Air Transport Association airport codes IATA (International Air Transport Association) is a trade association that focuses on making air traffic businesses safe, secure, reliable and efficient.	..v3/<product>?**iataCode=FCO**
ICAO Code	icaoCode	ICAO Code = 4 character International Civil Aviation Organization airport codes ICAO (International Civil Aviation Organization) is a UN-body which focuses on international harmonization of civil aviation regulations.	..v3/<product>?**icaoCode=LIRF**
Postal Key	postalKey	Postal Key is a composite location identifier key of <Postal Code>:<Country Code> **<Postal Code>:<Country Code>**	..v3/<product>?**postalKey=30339:US** ..v3/<product>?**postalKey=75003:FR** ..v3/<product>?**postalKey=75003:EE**

Data Elements & Definitions

Note: Field names are sorted alphabetically in the table below for presentation purposes. The table below does not represent the sort order of the API response.

Field Name	Description	Type	Range	Sample	Nulls Allowed
type		[array]			N
features		[array]			N
geometry		[array]			N
type	Describes the type of coordinates returned in the geometry: object. countyId, geocode, iataCode, icaoCode, locId, postalKey, ski, zone, zoneId	string		geocode	N
coordinates	Array of GeoJSON coordinates ordered as: (longitude, latitude) which defines the polygon geometry. The returned coordinates will represent the boundary of the requested ‘type’ (See list above).	[array]			N
properties		[array]			N
product	Requested product type identifier. airportName, alerts, city, locality, location, near, products, zoneId	string		alerts	N

key	Product key. For The Weather Company internal usage only.	string			N

JSON Sample


```
// Response Collapsed for Presentation Purposes
{
    type: "FeatureCollection",
    features: [
        {
            type: "Feature",
            geometry: {
                coordinates: [
                    [
                        [
                            -122.459774,
                            47.672418
                        ],
                        [
                            -122.459737,
                            47.67212
                        ],
                        [
                            -122.45962,
                            47.671118
                        ],
                        [
                            -122.370464,
                            47.506398
                        ],
                        [
                            -122.459774,
                            47.672418
                        ]
                    ]
                ],
                type: "Polygon"
            },
            properties: {
                product: "adminDistrict3",
                key: "612255"
            }
        }
    ]
}
```